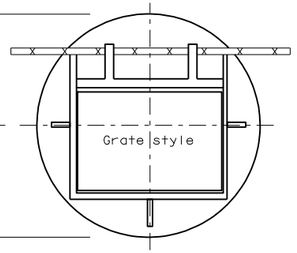
INLET - SHALLOW

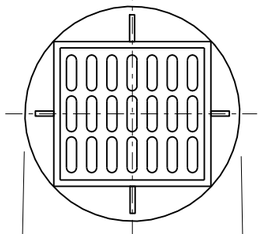
D-722-1C

TYPES OF CASTINGS
(See standards for details)

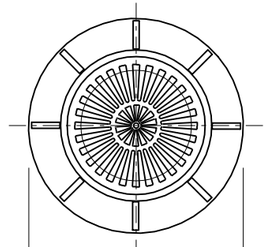
Type 1
(D-722-1)



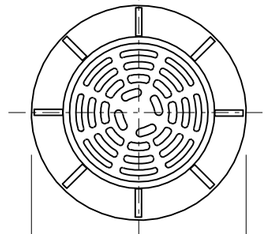
Mountable - Type A
(D-722-3)

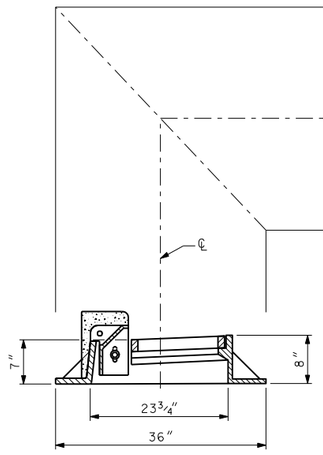


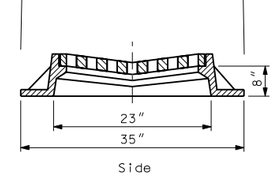
Catch basin - Beehive
(D-722-1A)

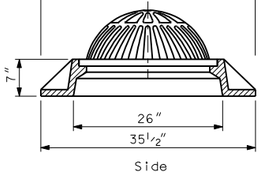


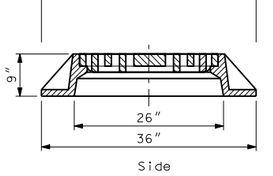
Catch basin - Type A
(D-722-1A)

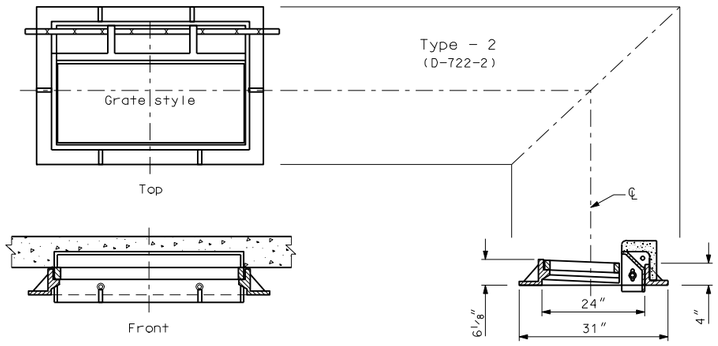


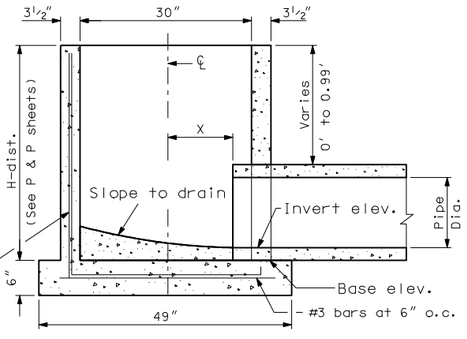




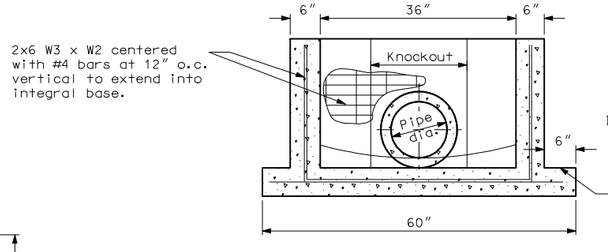


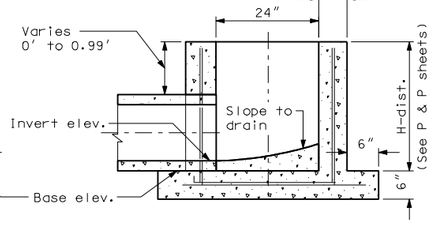




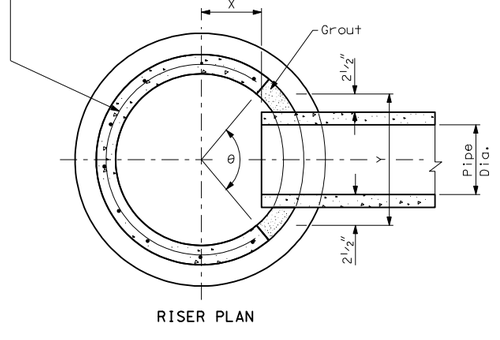


RISER ELEVATION





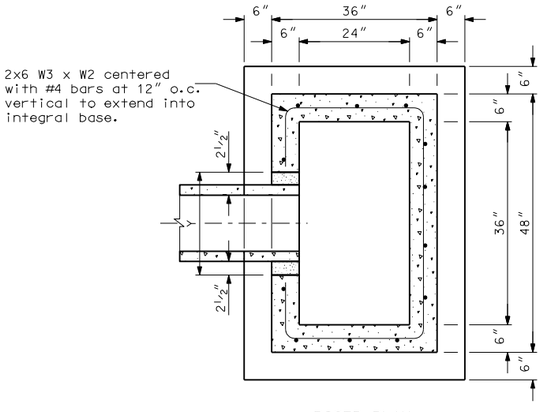
RISER ELEVATIONS



RISER PLAN

PRECAST RISERS WITH BASE

PIPE DIA. IN.	KNOCKOUT ANGLE (θ) Deg.	KNOCKOUT LENGTH ft	X ft	Y ft
12″	88.85	2.16	0.89	1.75
15″	109.5	2.67	0.72	2.04
18″	137.9	3.36	0.45	2.33



RISER PLAN

NOTES:

1. Other castings, similar in dimension and of equal or greater weight than that shown, may be used if accepted by the engineer in writing. The type of casting and grate style shall be as specified on the plans and included in the price bid for "Inlet - Shallow, (casting type)".
2. Metal used in the manufacture of castings shall conform to AASHTO M-105, Class 35B.
3. The precast integrated risers with base shall be constructed in accordance with AASHTO M-199.
4. On projects with P.C.C pavement all inlet risers or barrels shall be constructed 4 to 5 inches below final elevation and adjusted to final grade after the paving. Adjustment may be done with adjusting rings, masonry, or cast-in-place. All costs for this adjustment shall be included in the price bid for the inlet.

PAY ITEMS

Inlet - Shallow, Type 1 . . . . . Ea.
Inlet - Shallow, Type 2 . . . . . Ea.
Inlet - Shallow, Catch basin - Type A . . . . . Ea.
Inlet - Shallow, Catch basin - 6 in. beehive . . Ea.
Inlet - Shallow, Catch basin - 9 in. beehive . . Ea.
Inlet - Shallow, Mountable - Type A . . . . . Ea.
Inlet - Shallow, Mountable - Type B . . . . . Ea.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
12-01-89	
REVISIONS	
DATE	CHANGE
11-01-90	Note 4 added
03-01-94	Added pay item
10-30-00	Added wire mesh
12-01-04	PE Stamp added

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation